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## EAST SEARCH

7/22/04

L#	Hits	Search String	Databases	
L1	38668	(radiation near2 therapy) or (radiation near2 distribution) or (dosimetr\$2 near2 (plan\$1 or plar USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L2	206	((radiation near2 therapy) or (radiation near2 distribution) or (dosimetr\$2 near2 (plan\$1 or pla USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L3	465	((radiation near2 therapy) or (radiation near2 distribution) or (dosimetr\$2 near2 (plan\$1 or pla USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L4	157	((radiation near2 therapy) or (radiation near2 distribution) or (dosimetr\$2 near2 (plan\$1 or pla USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L5	301	((radiation near2 (dosage or dose)) same ((treatment or radiation or element\$3 or irradiated)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L6	41	1 and (predict\$3 with (radiation near2 (dosage or dose))) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L7	832	3 or 4 or 5 or 6 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L8	18	7 and ((track\$3 or mov\$3 or movement\$1) with particle\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L9	16	7 and (particle with (geometric or (three near2 dimensional))) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L10	86	7 and (geometric\$2 with model\$3) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L11	9	7 and (particle with travers\$3) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L12	47	7 and (uniform with volume) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L13	131	7 and (pixels\$1 same image\$1 same voxel\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L14	65	7 and (material with volume\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L15	108	7 and (material with different) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L16	8	7 and (intersection with track\$3) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L17	18	7 and (intersection with position) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L18	61	7 and (direction with movement) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L19	10	7 and (starting with element) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L20	40	7 and (center with element) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L21	8	7 and (particle with coordinate\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L22	370	7 and coordinate\$1 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L23	23	7 and (error with threshold) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L24	294	7 and (radiation near2 source) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L25	7	7 and ("initial position" or vector) with particle USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L26	8	7 and (map\$4 with material) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L27	73	7 and ((alpha or beta or gamma) near2 (emission\$1 or radiation\$1)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L28	58	7 and (particle with (captur\$3 or exit\$3 or scatter\$3)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L29	370	7 and (radiation with dose\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L30	20	7 and (axial near2 slice\$1) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L31	111	7 and (pixels\$1 with (volume or shape)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L32	16	7 and (movement with error) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L33	11	7 and (material\$1 with error) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L34	327	7 and ((three near2 dimensional) with (volume or model)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L35	38	7 and (display\$3 with ((geometric or (three near2 dimensional)) with model)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L36	28	7 and (random\$2 with general\$3) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		
L37	48	7 and (external\$2 with (radiation near2 source)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		

L38	10	7 and (integer with increment\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L39	763	7 and (((track\$3 or mov\$3 or movement\$1) with particle\$1) or (particle with (geometric or (thr	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L40	442	((predict\$3 with (radiation near2 dosage)) or (simulat\$3 with (radiation near2 distribution))) or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L41	386	40 and (((track\$3 or movement\$1) near2 particle\$1) with geometric\$2) or ((track\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L42	975	39 or 41	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L43	37	6,608,744.pn. or 6,589,502.pn. or 6,307,551.pn. or 6,256,529.pn. or 6,240,161.pn. or 6,222,5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L44	19	42 and 43	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L45	8	44 and ((geometric or (three near2 dimensional)) with model)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L46	2	44 and ((track\$3 or mov\$3 or movement\$1) with particle\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L47	677	1 and ((track\$3) with (particle\$1 or radiation\$1 or ray\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L48	41	47 and ((geometric or (three near2 dimensional)) with model)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L49	79	1 and (track\$3 with particle\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L51	10	7 and (integer with increments)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L52	12	6,078,681.pn. or 5,101,475.pn. or 5,821,541.pn. or 5,498,876.pn. or 5,493,595.pn. or 5,544	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L53	49	43 or 52	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L54	8	53 and (uniform with volume)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L55	6	53 and ((element or voxel) with material)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L56	31	44 or 52	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L57	5	56 and ((element or voxel) with material)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L58	6	56 and (material with different)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L59	18	1 and (track\$3 with particle\$1) and (material with different)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L60	2	56 and (material with voxel\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L50	8	7 and (volume with increments)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L61	2	52 and ((start\$3 or initial) with track\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L62	1	52 and ((start\$3 ) with coordinate\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L63	1	44 and ((start\$3 ) with coordinate\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L65	1	44 and 64	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L64	49	7 and (start\$3 with (element or voxel\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L66	124	7 and (coordinate\$1 with (element or voxel\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L67	4	66 and 56	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L68	2	66 and 44	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L69	2	66 and 52	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L70	10	56 and (radiation near2 source)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L71	0	52 and (radiation near2 source)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L73	10	44 and (radiation near2 source)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L74	4	56 and (particle with direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L75	15	56 and (alpha or beta or gamma)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L76	12	56 and (radiation with distribution)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L77	1	56 and (axial with slices)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L78	4	56 and (axial with slice\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L1	49	(6,608,744.pn. or 6,589,502.pn. or 6,307,551.pn. or 6,256,529.pn. or 6,240,161.pn. or 6,222,5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	1	1 and (particle\$1 with (secondary near2 direction))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L3	832	((radiation near2 therapy) or (radiation near2 distribution) or (dosimetr\$2 near2 (plan\$1 or pl\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	2	3 and (particle\$1 with (secondary near2 direction))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	17	1 and (display\$3 with (model or image))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	2	1 and (random with generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	4	3 and (random with generat\$3 with particle\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	22	3 and (random with generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	2	1 and (external\$2 with (radiation near2 source))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	2	3 and (secondary near2 direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	1	3 and (alternate near2 direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

## EAST SEARCH

7/22/04

### Results of search set L66:7 and (coordinate\$1 with (element or voxel\$1))

Document	Kind	Codes	Title	Issue Date	Current OR	Abstract
US 20040116804	A1		Method and system for radiation application	20040617	600/428	
US 20040096088	A1		Method for coloring of voxels and image data processing and visualization system	20040520	382/128	
US 20040049109	A1		Seed localization system for use in an ultrasound system and method of using the same	20040311	600/427	
US 20040036674	A1		Apparatus and method for associating voxel information with display positions	20040226	345/156	
US 20040017370	A1		Medical visible image generating method	20040129	345/426	
US 20040001569	A1		Intensity modulated radiotherapy inverse planning algorithm	20040101	378/65	
US 20030236473	A1		High precision modeling of a body part using a 3D imaging system	20031225	600/587	
US 20030194119	A1		Semi-automatic segmentation algorithm for pet oncology images	20031016	382/131	
US 20030176783	A1		Method and device for impingement detection	20030918	600/429	
US 20030176780	A1		Automatic detection and quantification of coronary and aortic calcium	20030918	600/407	
US 20030156112	A1		Method, apparatus, signals and codes for establishing and using a data structure for storing v	20030821	345/424	
US 20030147495	A1		Mixed irradiation evaluation support system	20030807	378/65	
US 20030146913	A1		Object-correspondence identification without full volume registration	20030807	345/419	
US 20030113003	A1		Method and system for segmentation of medical images	20030619	382/128	
US 20030093004	A1		System and method for the tomography of the primary electric current of the brain and of the l	20030515	600/544	
US 20030076987	A1		Knowledge based computer aided diagnosis	20030424	382/128	
US 20030034973	A1		Occlusion culling for object-order volume rendering	20030220	345/424	
US 20020172409	A1		Displaying three-dimensional medical images	20021121	382/132	
US 20020164061	A1		Method for detecting shapes in medical images	20021107	382/131	
US 20020164060	A1		Method for characterizing shapes in medical images	20021107	382/128	
US 20020163482	A1		Multi-planar volumetric display system including optical elements made from liquid crystal hav	20021107	345/6	
US 20020122536	A1		Method and apparatus for viewing instrument markers used in medical imaging	20020905	378/205	
US 20020113752	A1		MULTI-PLANAR VOLUMETRIC DISPLAY SYSTEM AND METHOD OF OPERATION USING	20020822	345/6	
US 20020106054	A1		Radiation therapy treatment method	20020808	378/65	
US 20020059049	A1		System and method for rapidly customizing design, manufacture and/or selection of biomedic	20020516	703/11	
US 20020046010	A1		Methods and computer readable medium for improved radiotherapy dosimetry planning	20020418	703/2	
US 6757414	B1		Method and apparatus for segmentation of a left ventricular epicardium	20040629	382/128	
US 6751359	B1		Method to program bit vectors for an increasing nonlinear filter	20040615	382/260	

US 6748347 B1	Method and apparatus for rapidly evaluating digital data processing parameters	20040608 703/5
US 6745066 B1	Measurements with CT perfusion	20040601 600/425
US 6738063 B2	Object-correspondence identification without full volume registration	20040518 345/424
US 6714620 B2	Radiation therapy treatment method	20040330 378/65
US 6690965 B1	Method and system for physiological gating of radiation therapy	20040210 600/428
US 6621889 B1	Method and system for predictive physiological gating of radiation therapy	20030916 378/65
US 6618467 B1	Megavoltage computed tomography during radiotherapy	20030909 378/65
US 6585827 B1	Radioimmunotherapy of lymphoma using anti-CD20 antibodies	20030520 424/1.49
US 6556696 B1	Method for segmenting medical images and detecting surface anomalies in anatomical structure	20030429 382/128
US 6556199 B1	Method and apparatus for fast voxelization of volumetric models	20030429 345/424
US 6539127 B1	Electronic device for automatic registration of images	20030325 382/294
US 6512807 B1	Low signal correction for perfusion measurements	20030128 378/4
US 6466185 B2	Multi-planar volumetric display system and method of operation using psychological vision cues	20021015 345/6
US 6461298 B1	Three-dimensional imaging system	20021008 600/437
US 6424732 B1	Object segregation in images	20020723 382/131
US 6362821 B1	Surface model generation for visualizing three-dimensional objects using multiple elastic surfaces	20020326 345/424
US 6345112 B1	Method for segmenting medical images and detecting surface anomalies in anatomical structure	20020205 382/128
US 6334847 B1	Enhanced image processing for a three-dimensional imaging system	20020101 600/443
US 6297799 B1	Three-dimensional cursor for a real-time volume rendering system	20011002 345/419
US 6289135 B1	Electronic image processing device for the detection of motions	20010911 382/276
US 6287537 B1	Radioimmunotherapy of lymphoma using anti-CD20 antibodies	20010911 424/1.49
US 6262740 B1	Method for rendering sections of a volume data set	20010717 345/424
US 6256367 B1	Monte Carlo scatter correction method for computed tomography of general object geometries	20010703 378/7
US 6246784 B1	Method for segmenting medical images and detecting surface anomalies in anatomical structure	20010612 382/128
US 6243098 B1	Volume rendering pipelines	20010605 345/424
US 6219061 B1	Method for rendering mini blocks of a volume data set	20010417 345/424
US 6219060 B1	Rendering of surfaces from volumetric data employing both dividing and stretching cubes	20010417 345/424
US 6219059 B1	Interactive control of voxel attributes using selectable characteristics	20010417 345/424
US 6208347 B1	System and method for computer modeling of 3D objects and 2D images by mesh construction	20010327 345/419
US 6175761 B1	Methods and computer executable instructions for rapidly calculating simulated particle transport	20010116 600/436
US 6175655 B1	Medical imaging system for displaying, manipulating and analyzing three-dimensional images	20010116 382/257
US 6163589 A	Monte Carlo scatter correction method for computed tomography of general object geometries	20001219 378/7
US 6130671 A	Volume rendering lighting using dot product methodology	20001010 345/424
US 6123733 A	Method and apparatus for rapidly evaluating digital data processing parameters	20000926 703/5
US 6117078 A	Virtual volumetric phantom for ultrasound hands-on training system	20000912 600/437
US 6112112 A	Method and system for the assessment of tumor extent in magnetic resonance images	20000829 600/425
US 6090365 A	Radioimmunotherapy of lymphoma using anti-CD20 antibodies	20000718 424/1.49
US 6064391 A	Method for displaying region extracting processing in an image processing system	20000516 345/424
US 6015542 A	Radioimmunotherapy of lymphoma using anti-CD20 antibodies	20000118 424/1.49
US 6008813 A	Real-time PC based volume rendering system	19991228 345/424
US 5999838 A	Spread spectrum MRI	19991207 600/410
US 5986662 A	Advanced diagnostic viewer employing automated protocol selection for volume-rendered images	19991116 345/424
US 5964707 A	Three-dimensional imaging system	19991012 600/443

US 5937083 A	Image registration using closest corresponding voxels with an iterative registration process	19990810 382/131
US 5885215 A	Method of reconstructing the spatial current distribution in a biological object, and device for p	19990323 600/409
US 5843398 A	Radioimmunotherapy of lymphoma using anti-CD20 antibodies	19981201 424/1 49
US 5842473 A	Three-dimensional imaging system	19981201 600/445
US 5816999 A	Flexible catheter for the delivery of ionizing radiation to the interior of a living body	19981006 600/3
US 5801666 A	Three-dimensional monitor	19980901 345/6
US 5794620 A	Method of reconstructing the spatial current distribution in a biological object, and device for p	19980818 60/407
US 5793375 A	Image processing apparatus for forming a surface display image	19980811 345/426
US 5787889 A	Ultrasound imaging with real time 3D image reconstruction and visualization	19980804 600/443
US 5659493 A	Virtual machining techniques for modifying computer models of parts	19970819 703/2
US 5644689 A	Arbitrary viewpoint three-dimensional imaging method using compressed voxel data constructi	19970701 345/424
US 5635709 A	Method and apparatus for measuring radiation dose distribution	19970603 250/252.1
US 5633951 A	Registration of volumetric images which are relatively elastically deformed by matching surfac	19970527 382/154
US 5623586 A	Method and device for knowledge based representation and display of three dimensional obje	19970422 345/424
US 5595721 A	Radioimmunotherapy of lymphoma using anti-CD20	19970121 424/1 49
US 5594842 A	Apparatus and method for real-time volume visualization	19970114 345/424
US 5548694 A	Collision avoidance system for voxel-based object representation	19960820 345/424
US 5544283 A	Method and apparatus for real-time volume rendering from an arbitrary viewing direction	19960806 345/424
US 5454371 A	Method and system for constructing and displaying three-dimensional images	19951003 600/443
US 5442733 A	Method and apparatus for generating realistic images using a discrete representation	19950815 345/424
US 5418827 A	Method for radiation therapy planning	19950523 378/65
US 5417958 A	Heavy metal clusters for use as imaging agents	19950523 424/9 42
US 5361763 A	Method for segmenting features in an image	19941108 600/410
US 5331552 A	Method and apparatus for projecting diagnostic images from non-isotropic volumed diagnosti	19940719 378/15
US 5313567 A	Arrangement for determining and displaying volumetric data in an imaging system	19940517 345/424
US 5295488 A	Method and apparatus for projecting diagnostic images from volumed diagnostic data	19940322 600/410
US 5280428 A	Method and apparatus for projecting diagnostic images from volumed diagnostic data access	19940118 600/407
US 5253171 A	Parallel processing method and apparatus based on the algebra reconstruction technique for	19931012 378/4
US 5252922 A	Radiofrequency focusing of magnetic resonance images	19931012 324/309
US 5222202 A	Method and apparatus for visualization of iso-valued surfaces	19930622 345/423
US 5222201 A	Method for displaying a portion of the body	19930622 345/420
US 5221900 A	Magnet structure for focusing of magnetic resonance images	19930622 324/307
US 5187660 A	Arrangement for displaying on a display volumetric data	19930216 345/424
US 5185573 A	Method for focusing of magnetic resonance images	19930209 324/309
US 5159663 A	Imager and process	19921027 345/422
US 5113357 A	Method and apparatus for rendering of geometric volumes	19920512 345/424
US 5101475 A	Method and apparatus for generating arbitrary projections of three-dimensional voxel-based c	19920331 345/424
US 5068808 A	Imager and process	19911126 345/419
US 5038302 A	Method of converting continuous three-dimensional geometrical representations into discrete	19910806 345/424
US 4991092 A	Image processor for enhancing contrast between subregions of a region of interest	19910205 382/131
US 4987554 A	Method of converting continuous three-dimensional geometrical representations of polygonal	19910122 345/424
US 4985856 A	Method and apparatus for storing, accessing, and processing voxel-based data	19910115 345/424
US 4835712 A	Methods and apparatus for imaging volume data with shading	19890530 345/423

US 4827413 A	Modified back-to-front three dimensional reconstruction algorithm	19890502 345/421
US 4770182 A	NMR screening method	19880913 600/410
US 4737921 A	Three dimensional medical image display system	19880412 345/421
US 4729098 A	System and method employing nonlinear interpolation for the display of surface structures coi	19880301 345/421
US 4719585 A	Dividing cubes system and method for the display of surface structures contained within the ir	19880112 345/424
US 4710876 A	System and method for the display of surface structures contained within the interior region oi	19871201 345/423
EP 1420367 A	Voxels coloring method in medical imaging system, involves mapping intensity functions of vc	20040520
JP 2001307065 A	Image processor for medical diagnostic imaging device, generates two-dimensional image da	20011102
US 6246784 B	Anatomical structure segmentation for medical imagery, involves growing region with success	20010612
DE 19819519 A	Computer-assisted X-ray imaging system e.g. for medical application - describes projection gr	19981105